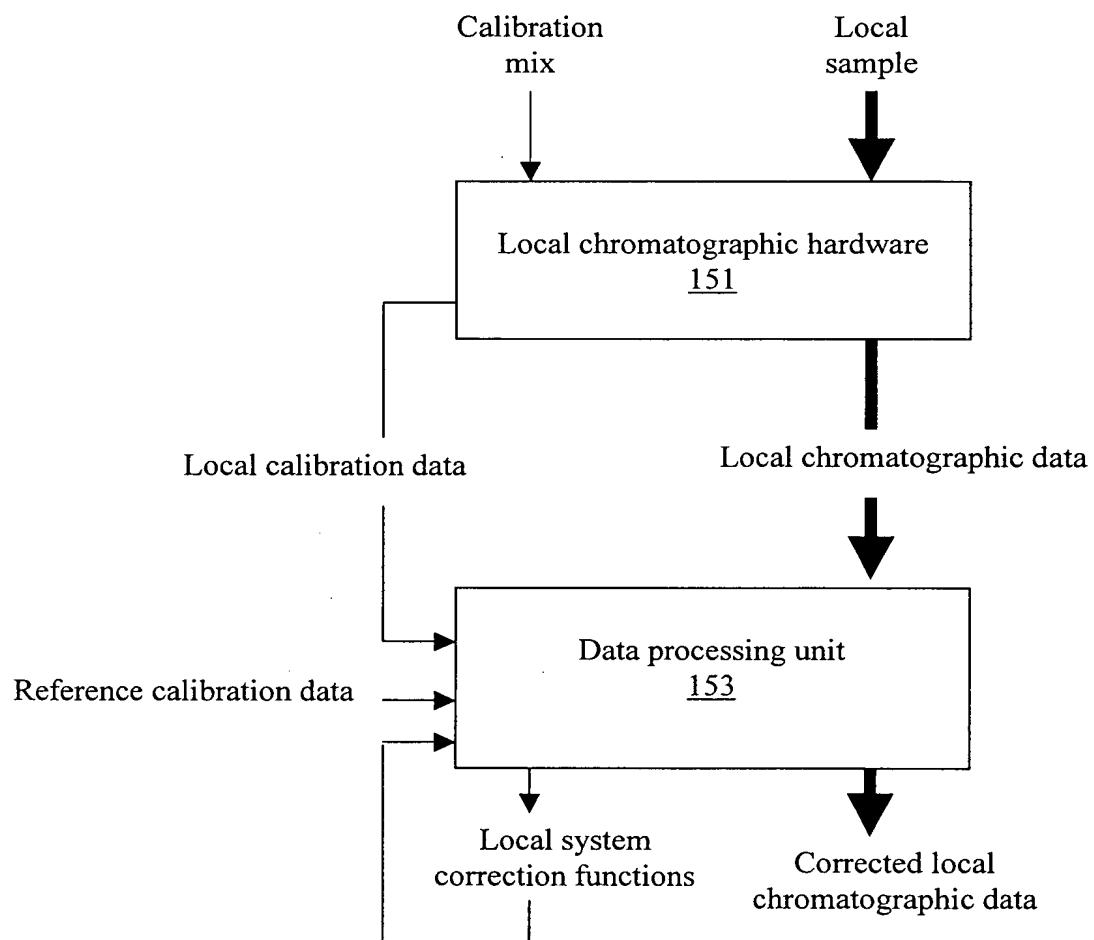
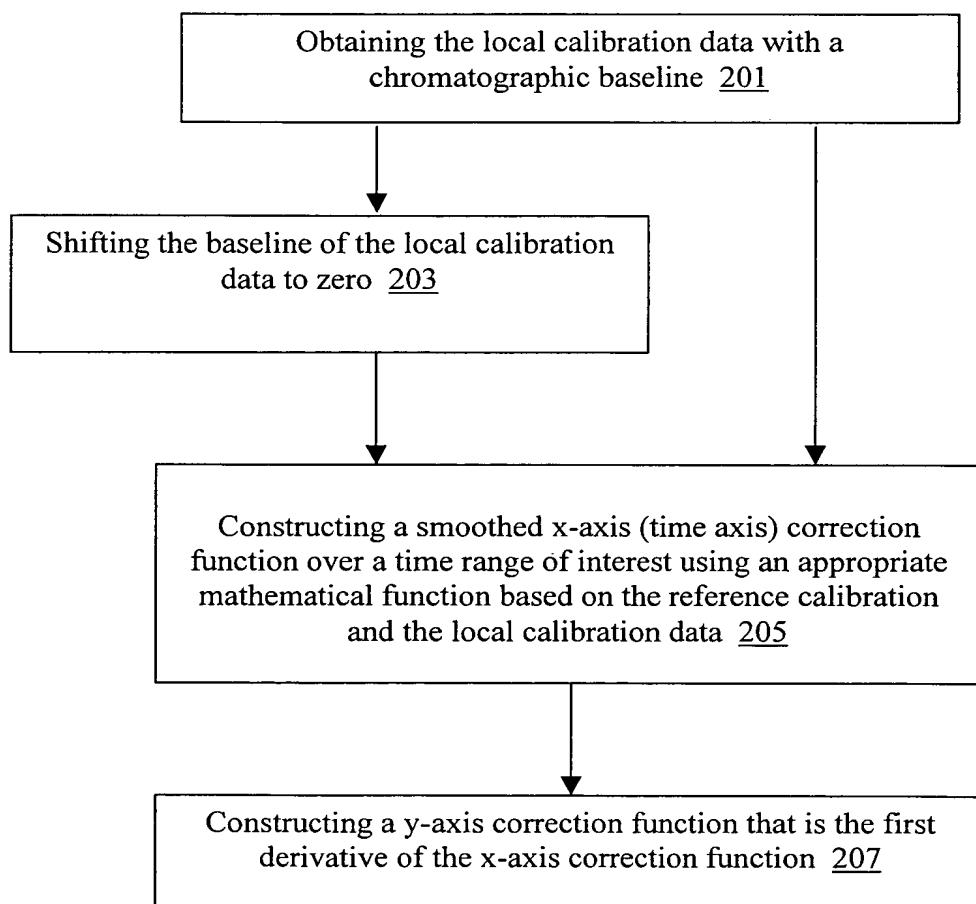


FIG. 1a

**FIG. 1b**

109**FIG. 2**

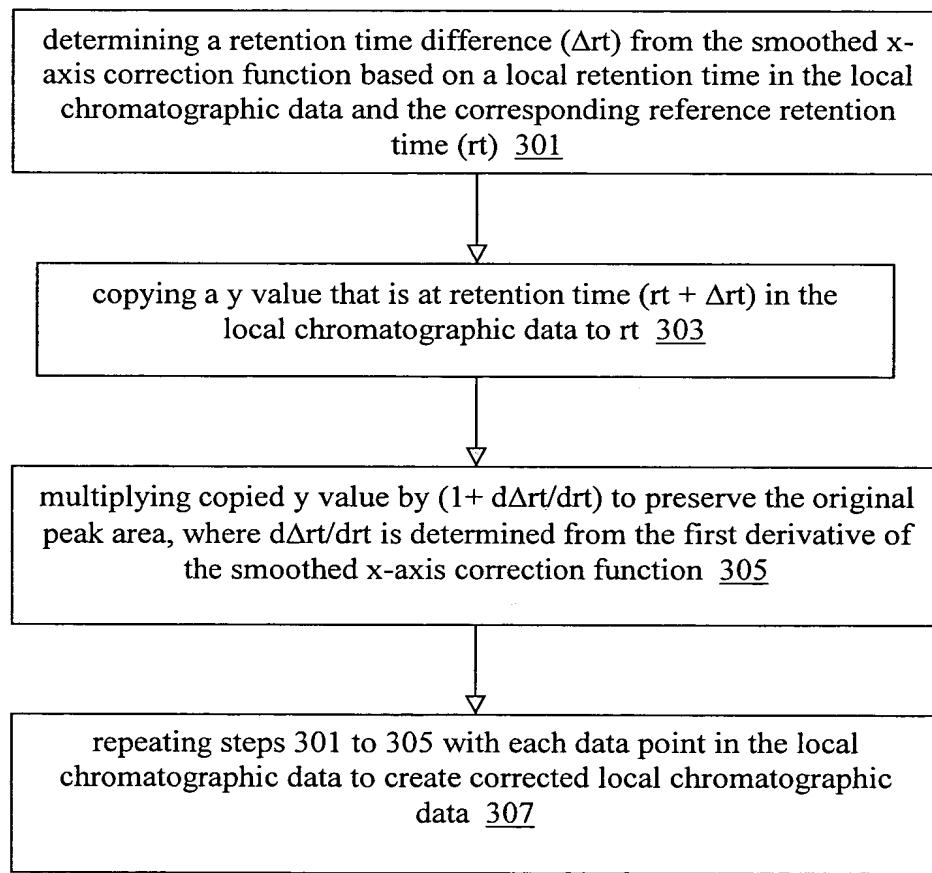


FIG. 3

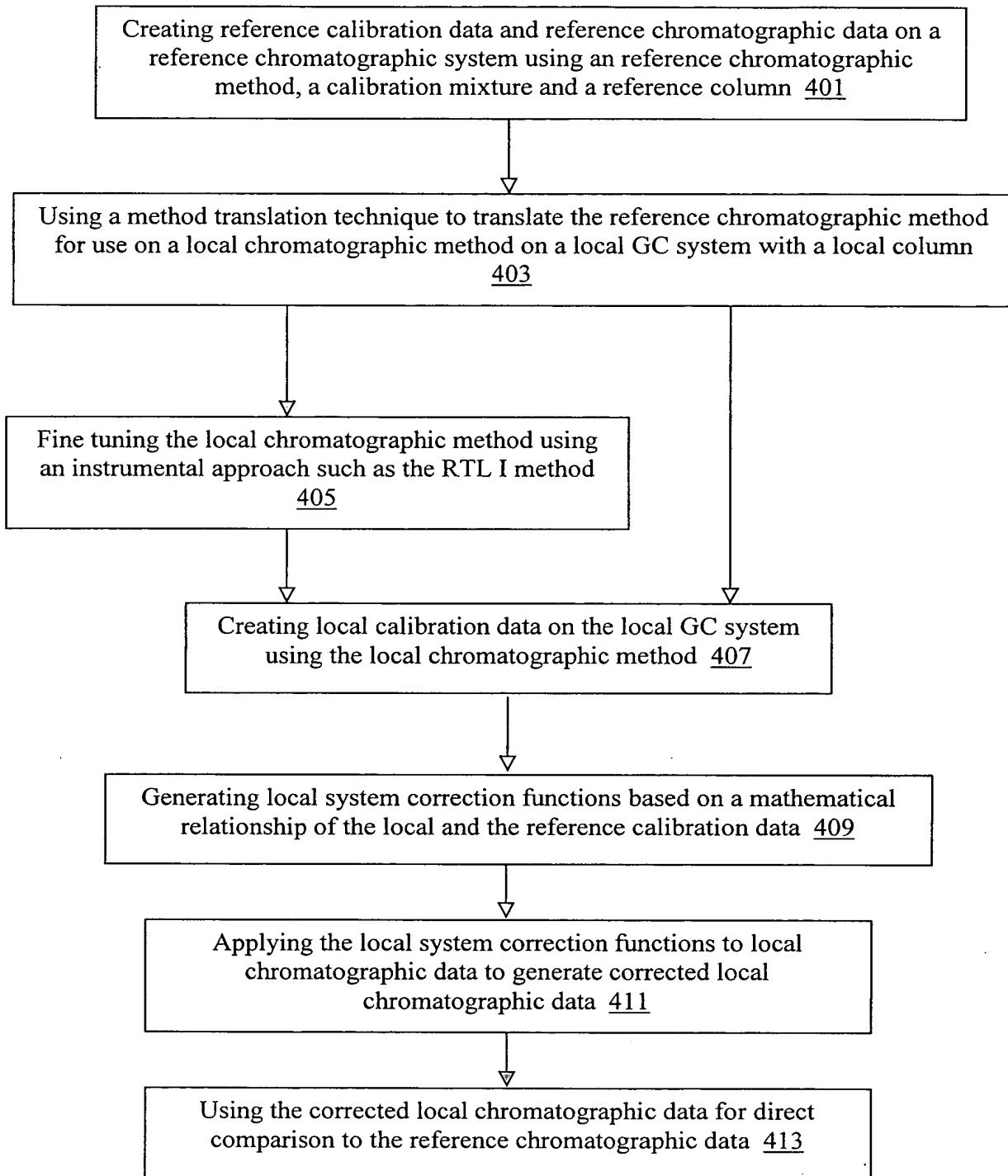


FIG. 4

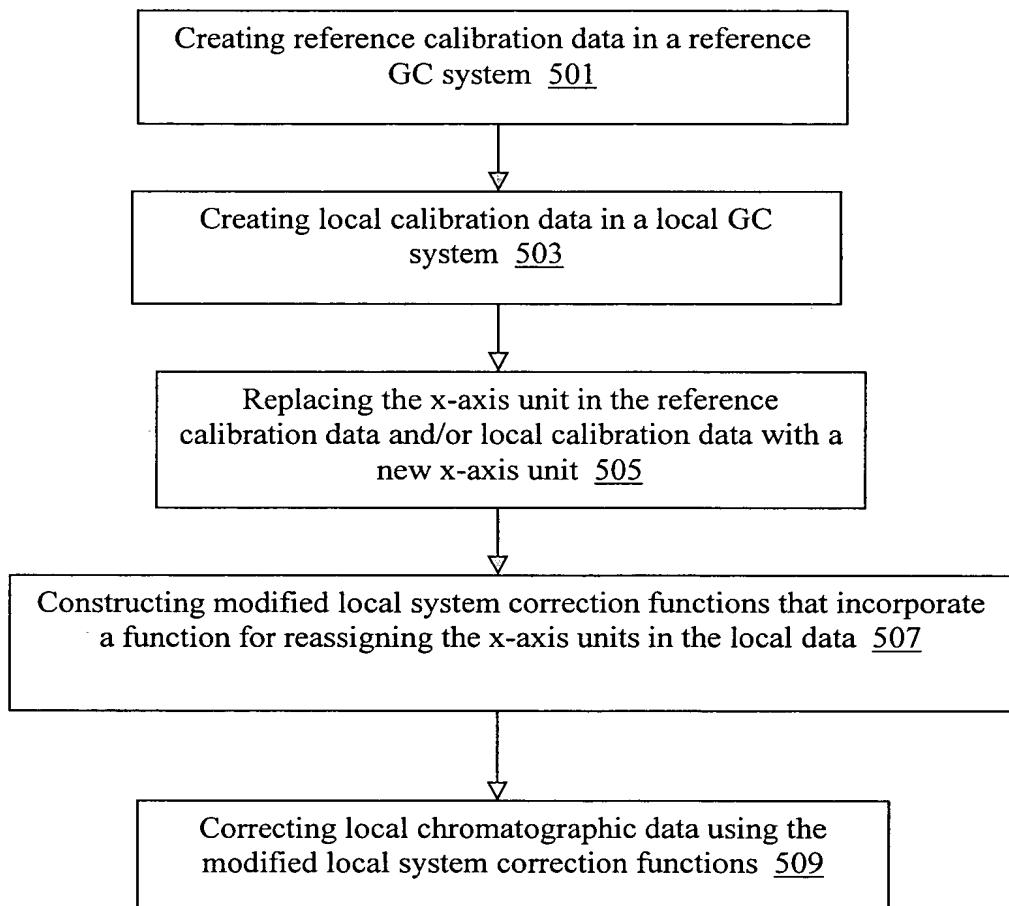


FIG. 5

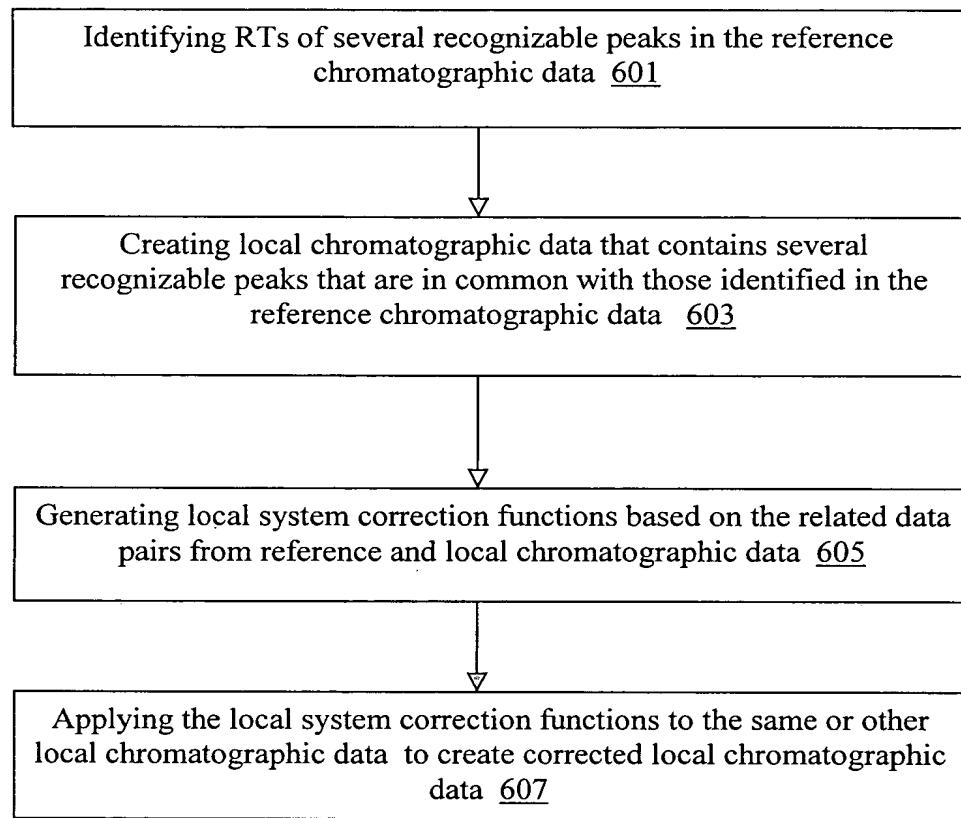


FIG. 6

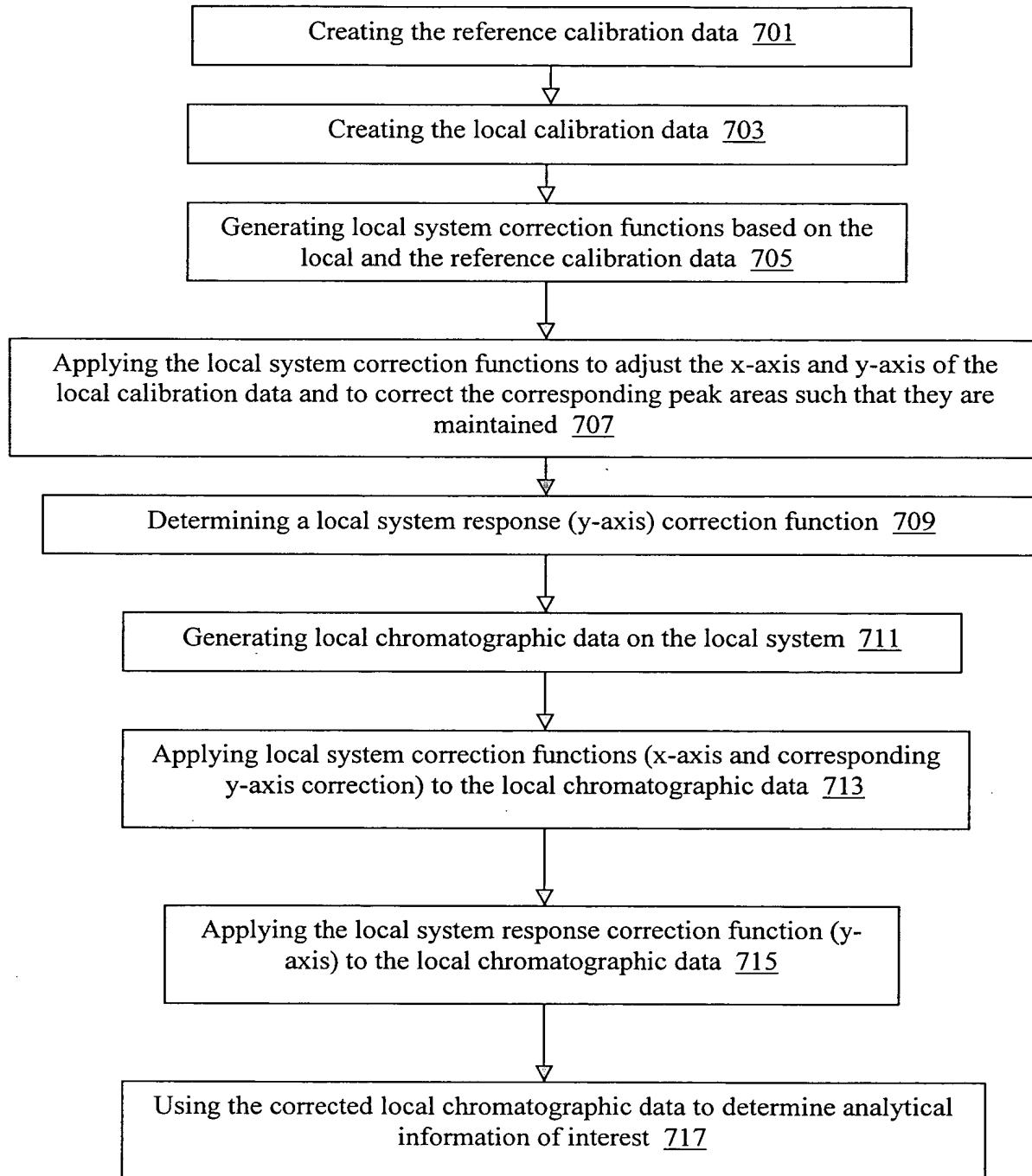


FIG. 7

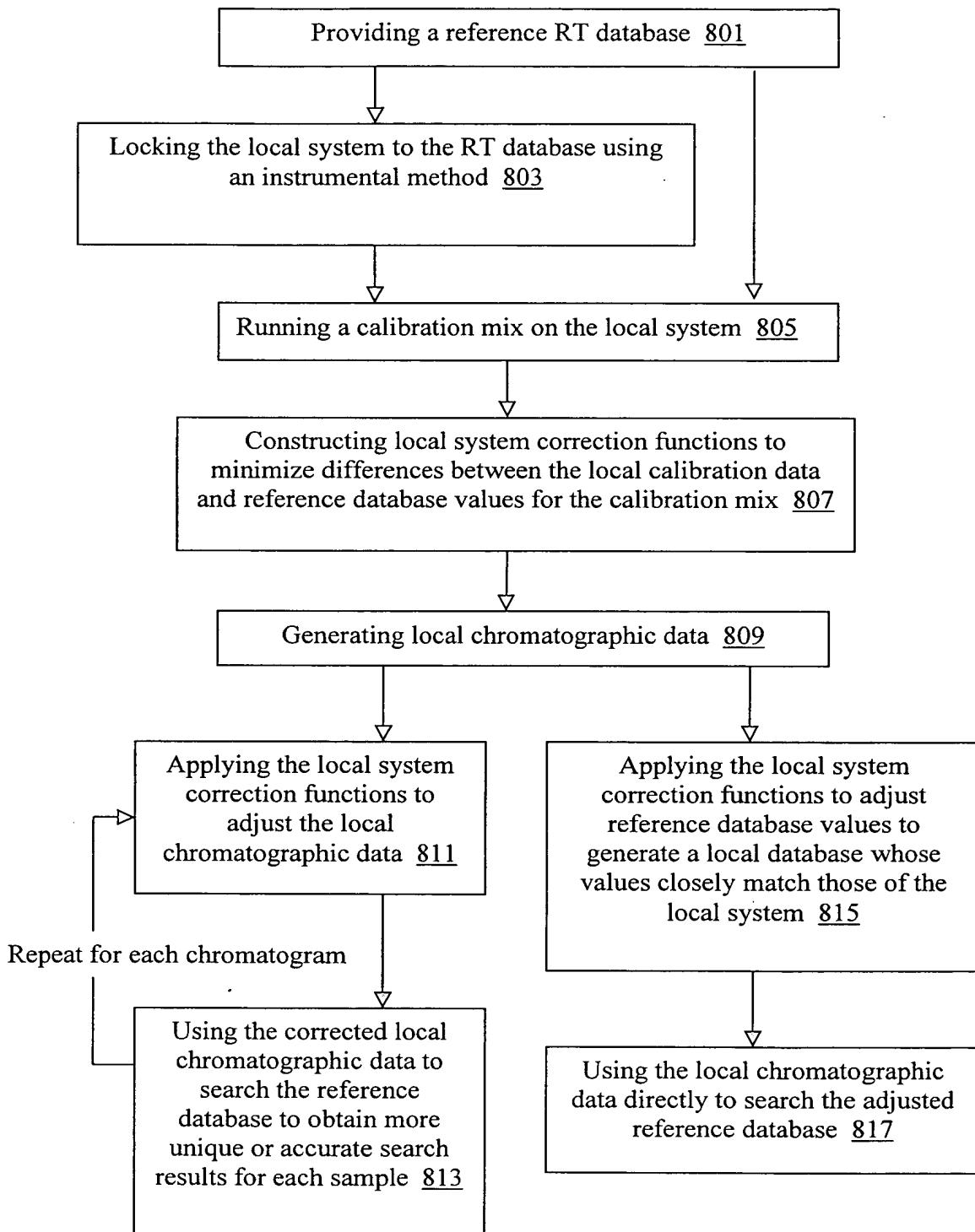


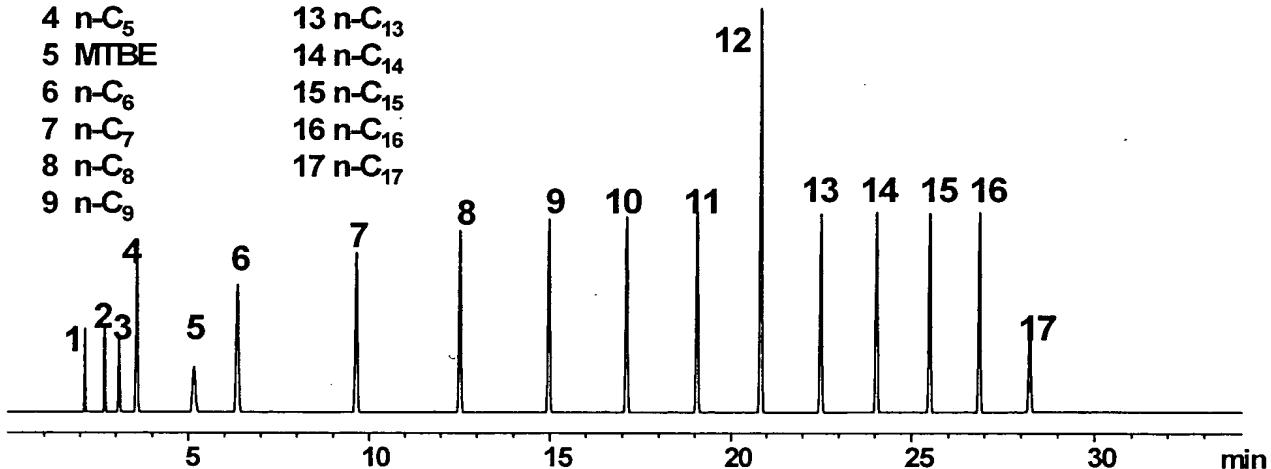
FIG. 8

30 m x 530 um x 3.0 um DB-1

Oven 40 C (5 min), 10 C/min to 260 C (3 min)

Inlet 3.33 psi constant pressure, 0.2 uL split 50:1

1 MeOH	10 n-C <sub>10</sub>
2 Etoh	11 n-C <sub>11</sub>
3 Acetone	12 n-C <sub>12</sub>
4 n-C <sub>5</sub>	13 n-C <sub>13</sub>
5 MTBE	14 n-C <sub>14</sub>
6 n-C <sub>6</sub>	15 n-C <sub>15</sub>
7 n-C <sub>7</sub>	16 n-C <sub>16</sub>
8 n-C <sub>8</sub>	17 n-C <sub>17</sub>
9 n-C <sub>9</sub>	



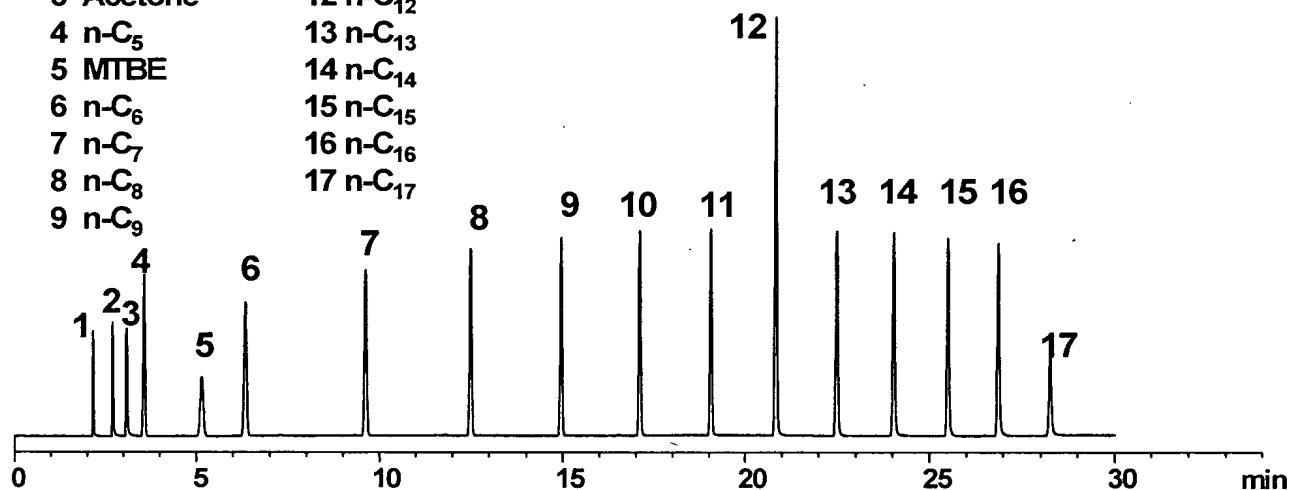
**FIG. 9**

**30 m x 530 um x 3.0 um DB-1**

**Oven 40 C (5 min), 10 C/min to 260 C (3 min)**

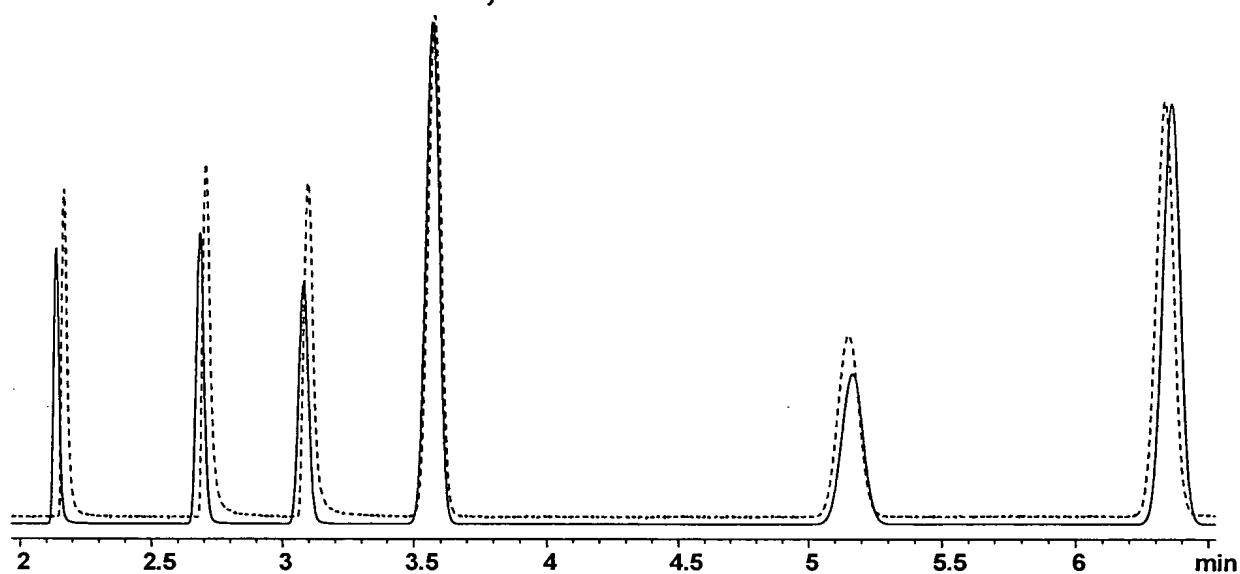
**Inlet 5.24 psi constant pressure, 0.2 uL split 50:1**

1 MeOH	10 n-C <sub>10</sub>
2 Etoh	11 n-C <sub>11</sub>
3 Acetone	12 n-C <sub>12</sub>
4 n-C <sub>5</sub>	13 n-C <sub>13</sub>
5 MTBE	14 n-C <sub>14</sub>
6 n-C <sub>6</sub>	15 n-C <sub>15</sub>
7 n-C <sub>7</sub>	16 n-C <sub>16</sub>
8 n-C <sub>8</sub>	17 n-C <sub>17</sub>
9 n-C <sub>9</sub>	

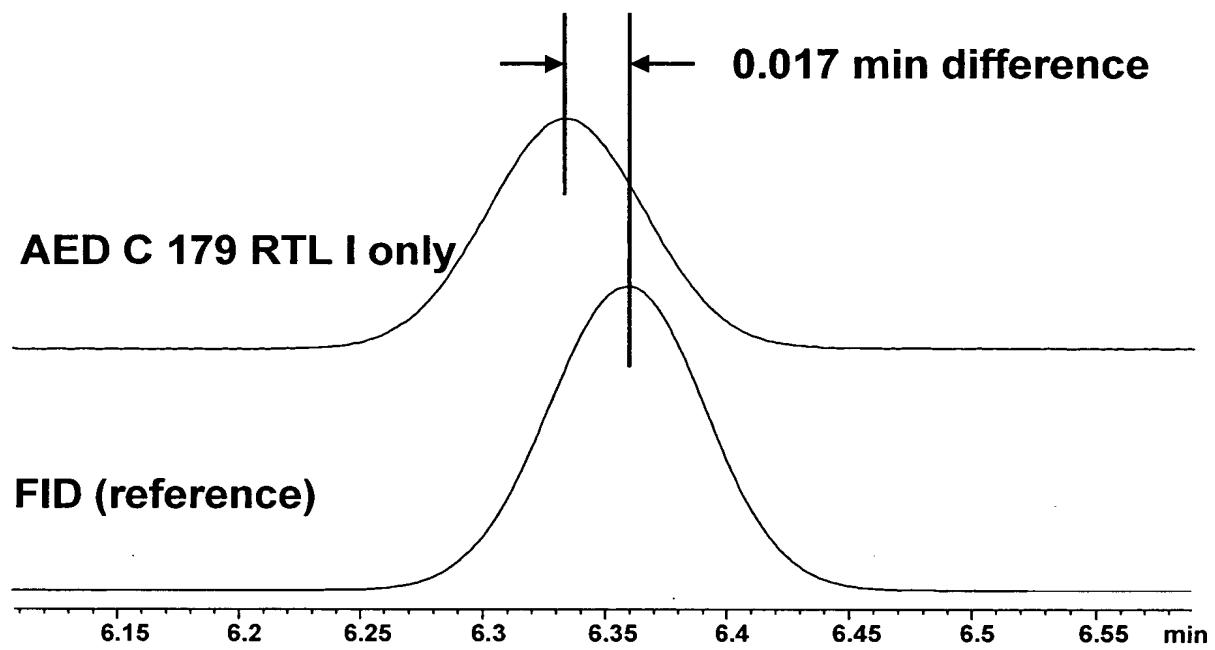


**FIG. 10**

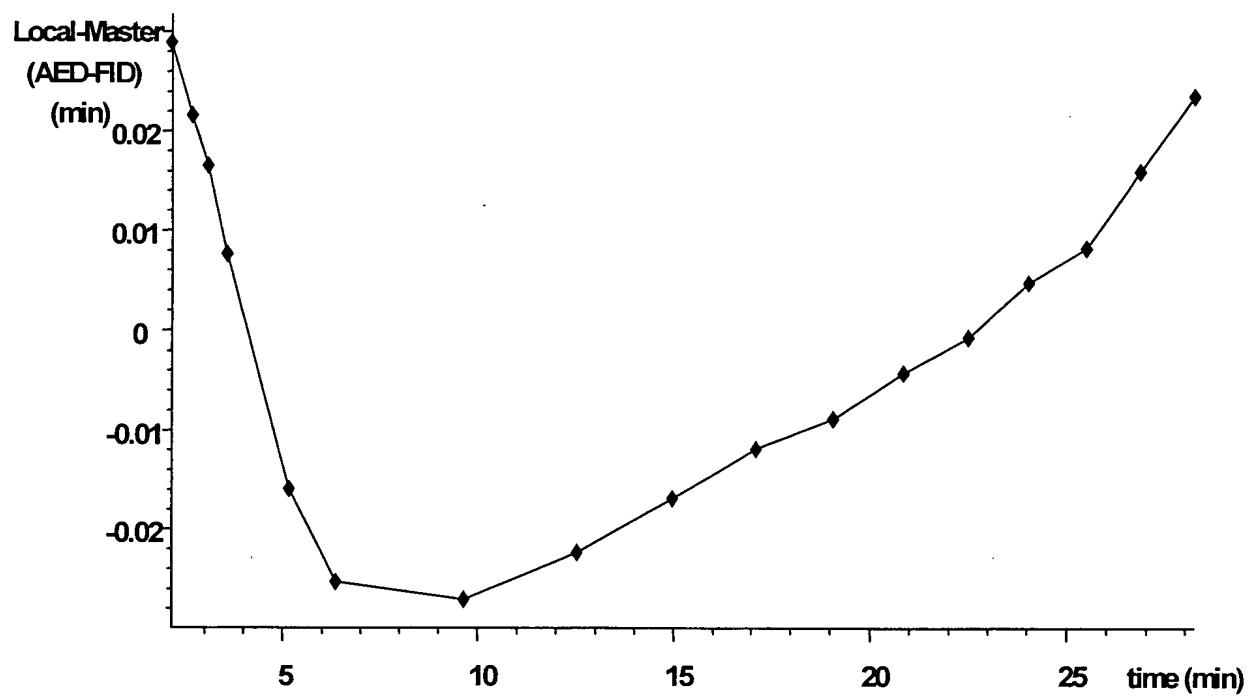
**Locked at 20.850 min, dashed line is AED**



**FIG. 11**



**FIG. 12**

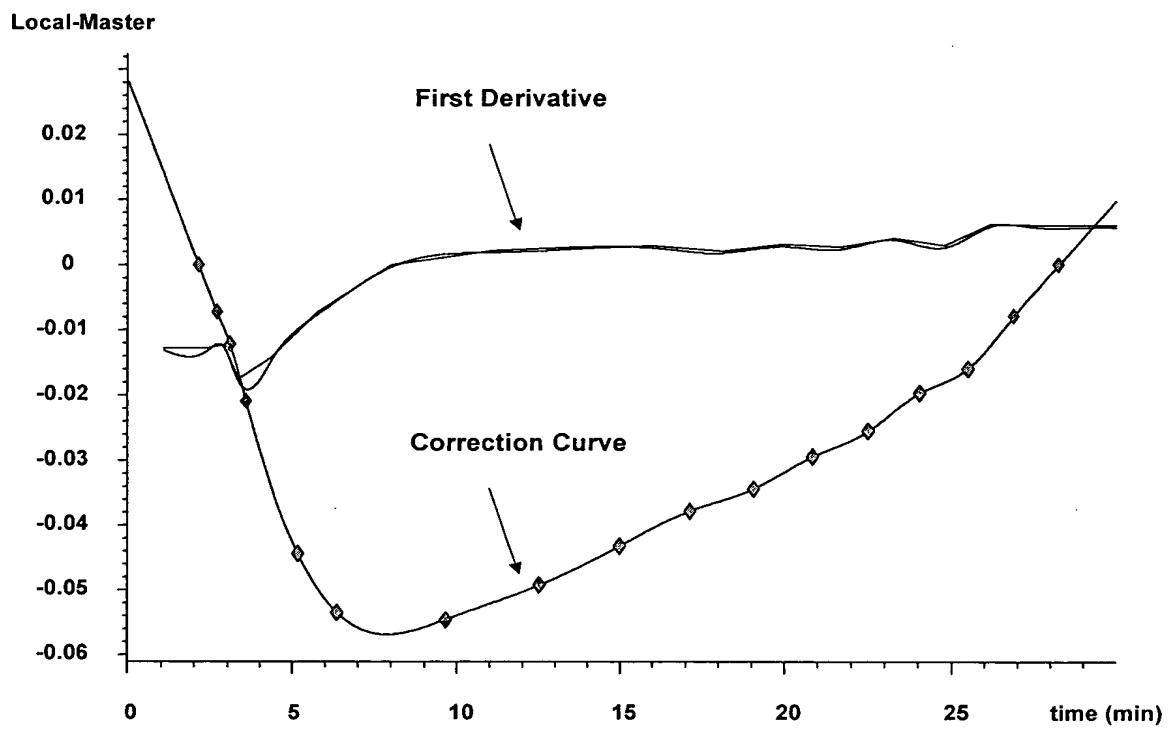
**FIG. 13**

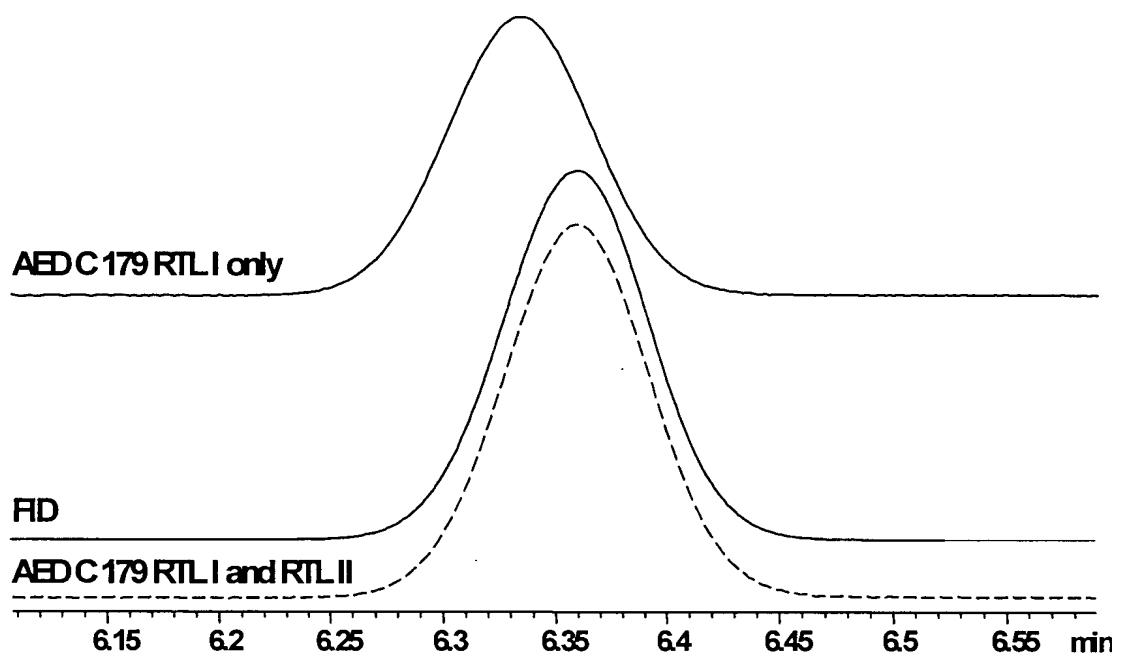
Delete all peaks not used for RTL2 calibration. Both tables must have same number of peaks.			
Master Reference		Local Reference	
#	RT	Compound Name	Area
1	2.138	methanol	593.91
2	2.665	ethanol	912.34
3	3.081	acetone	946.97
4	3.570	n-pentane	2681.15
5	5.166	MTBE	1300.71
6	6.359	n-hexane	2998.45
7	9.652	n-heptane	3191.97
8	12.522	n-octane	3262.37
9	14.972	n-nonane	3351.55
10	17.123	n-decane	3368.35
11	19.063	n-undecane	3382.36
12	20.844	n-dodecane	6926.41
13	22.494	n-tridecane	3408.51
14	24.037	n-tetradecane	3461.45
15	25.488	n-pentadecane	3461.16
16	26.854	n-hexadecane	3509.23
17	28.239	n-heptadecane	1682.16

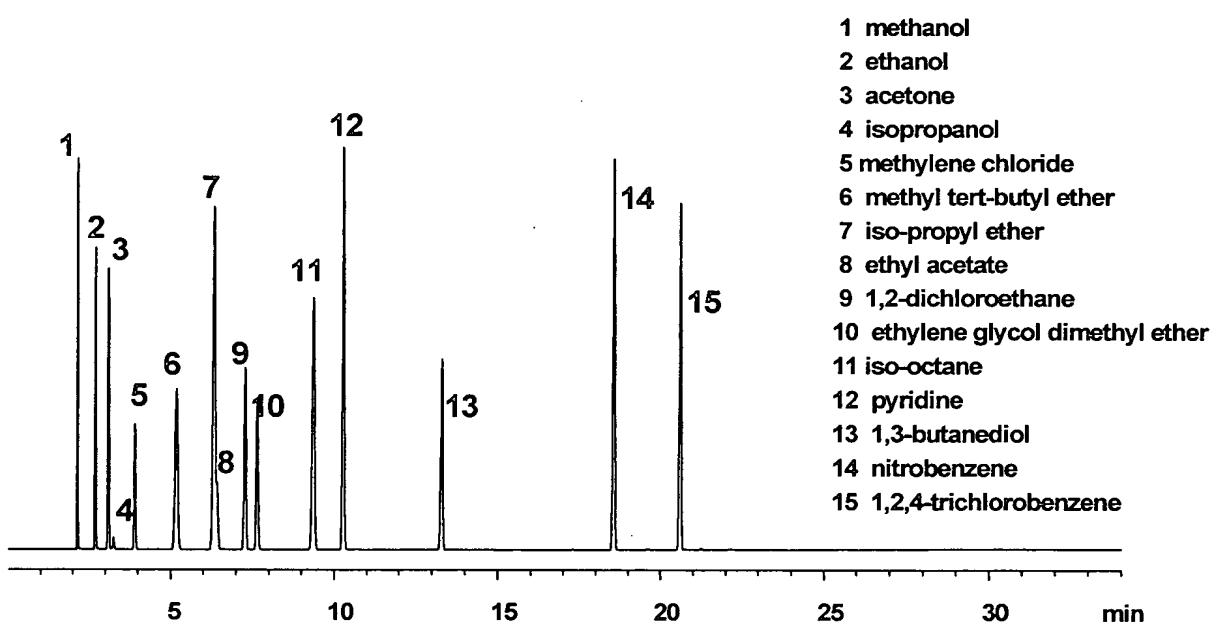
Created From: D:\RTL2_PAT\RTL2FID1\530DB1M.D	Created From: D:\RTL2_PAT\RTL2AED1\DB1MXI2.D
Comment: master 1x fid 530um cal	Comment: master 1x aed 530um cal
<input type="button" value="OK"/>	<input type="button" value="Cancel"/>

FIG. 14

**FIG. 15**



**FIG. 16**

**FIG. 17**

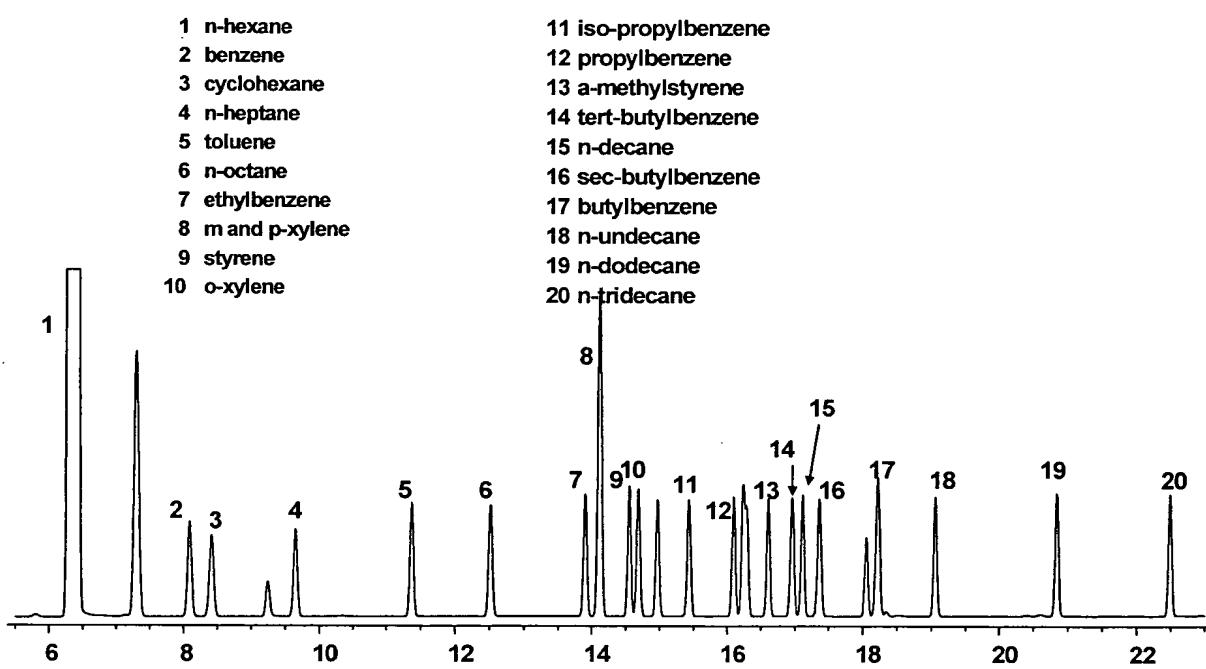


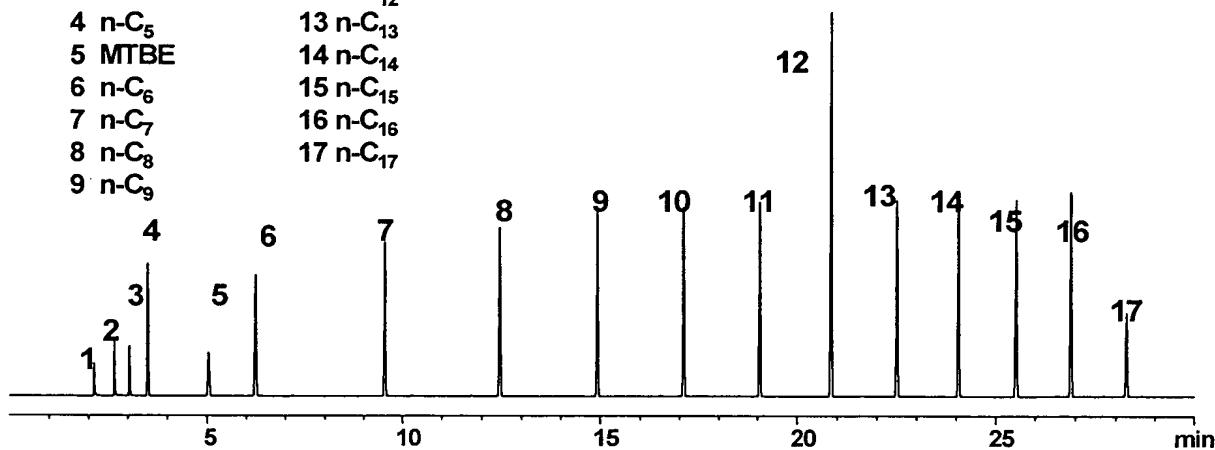
FIG. 18

**30 m x 250 um x 1.0 um DB-1 1.42 um**

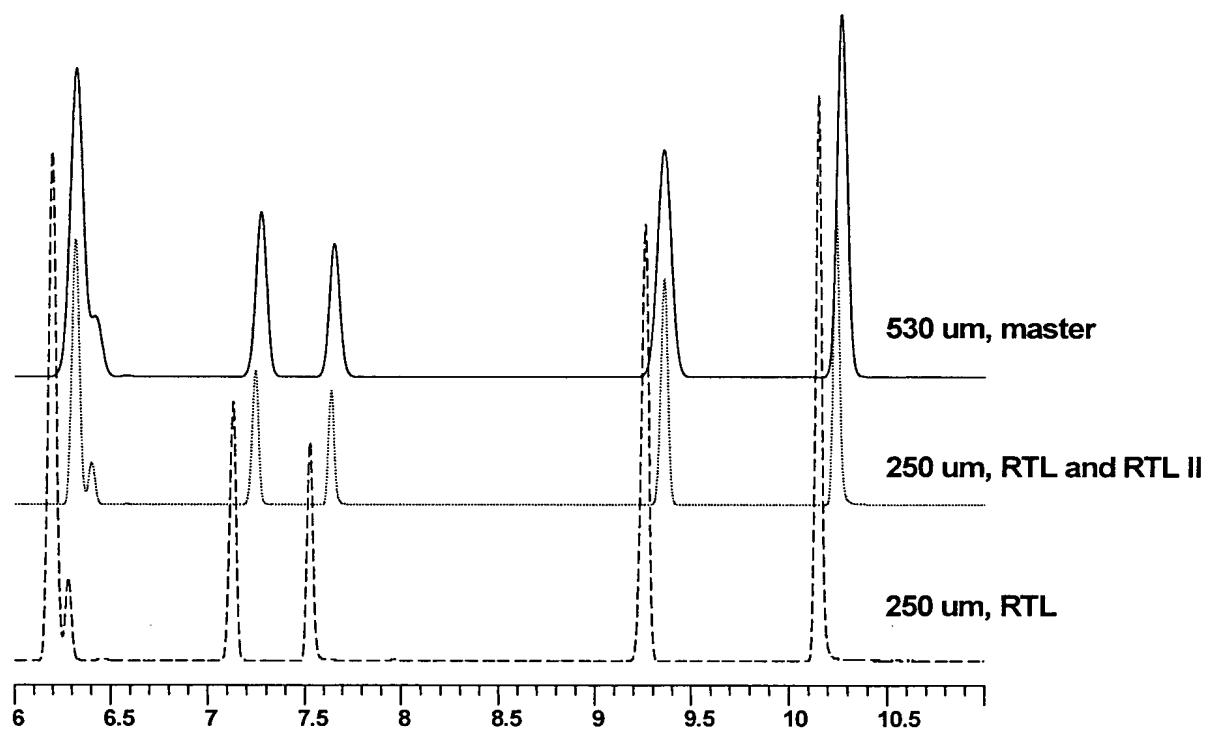
**Oven 40 C (5 min), 10 C/min to 260 C (3 min)**

**Inlet 17.11 psi constant pressure, 0.2 uL split 200:1**

1 MeOH	10 n-C <sub>10</sub>
2 Etoh	11 n-C <sub>11</sub>
3 Acetone	12 n-C <sub>12</sub>
4 n-C <sub>5</sub>	13 n-C <sub>13</sub>
5 MTBE	14 n-C <sub>14</sub>
6 n-C <sub>6</sub>	15 n-C <sub>15</sub>
7 n-C <sub>7</sub>	16 n-C <sub>16</sub>
8 n-C <sub>8</sub>	17 n-C <sub>17</sub>
9 n-C <sub>9</sub>	



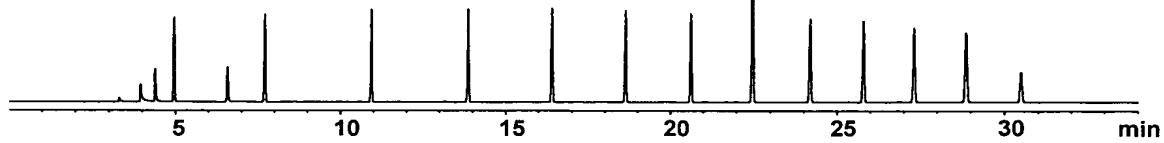
**FIG. 19**

**FIG. 20**

30 m x 250 um x 1.0 um DB-1 (should be 1.42 um for same beta)

Oven 40 C (5 min), 10 C/min to 260 C (3 min)

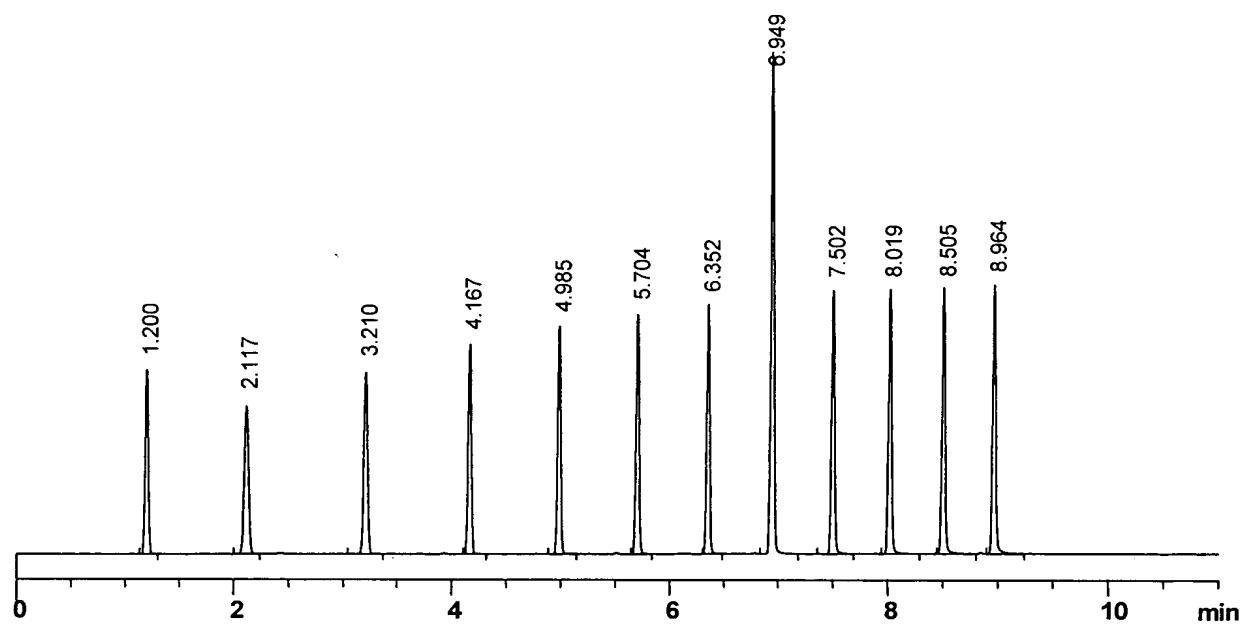
Inlet 10.59 psi constant pressure, 0.2 uL split 200:1



530 um master (from FIG. 9)



**FIG. 21**

**FIG. 22**

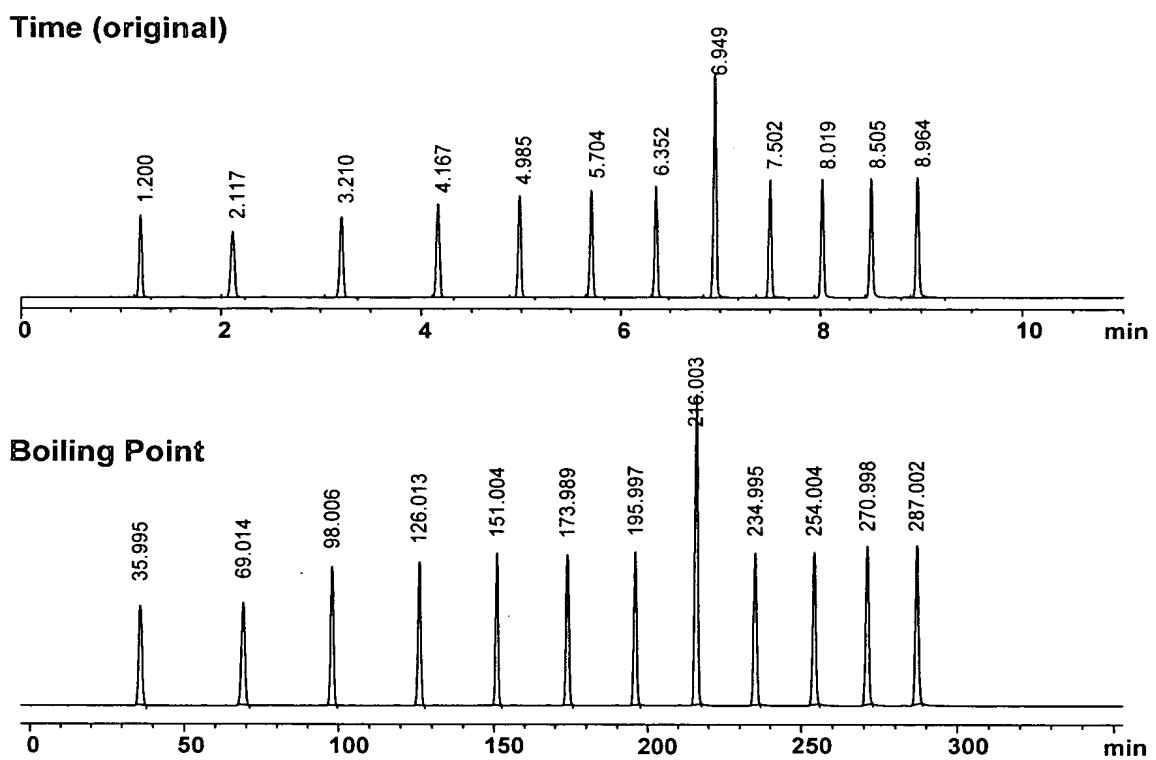
<b>Delete all peaks not used for RTL2 calibration. Both tables must have same number of peaks.</b>			
<b>Master Reference</b>		<b>Local Reference</b>	
#	RT	Compound Name	Area
1	36.000	n-pentane	0.00
2	69.000	n-hexane	0.00
3	98.000	n-heptane	0.00
4	126.000	n-octane	0.00
5	151.000	n-nonane	0.00
6	174.000	n-decane	0.00
7	196.000	n-undecane	0.00
8	216.000	n-dodecane	0.00
9	235.000	n-tridecane	0.00
10	254.000	n-tetradecane	0.00
11	271.000	n-pentadecane	0.00
12	287.000	n-hexadecane	0.00

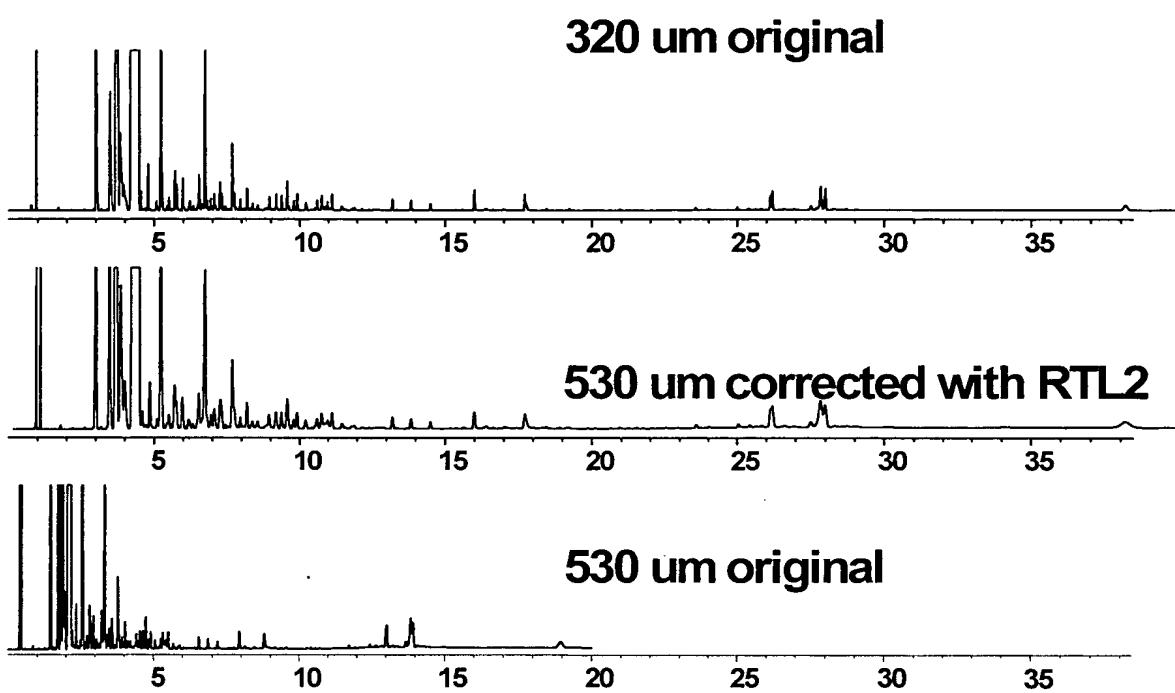
<b>Created From:</b> manual	<b>Created From:</b> G:\RTL2_PAT\RTL2AED3\HC1.D
<b>Comment:</b> Calibration for converting RT to BP	<b>Comment:</b> Calibration for RT => BP conversion
<b>OK</b>	<b>Cancel</b>

FIG. 23

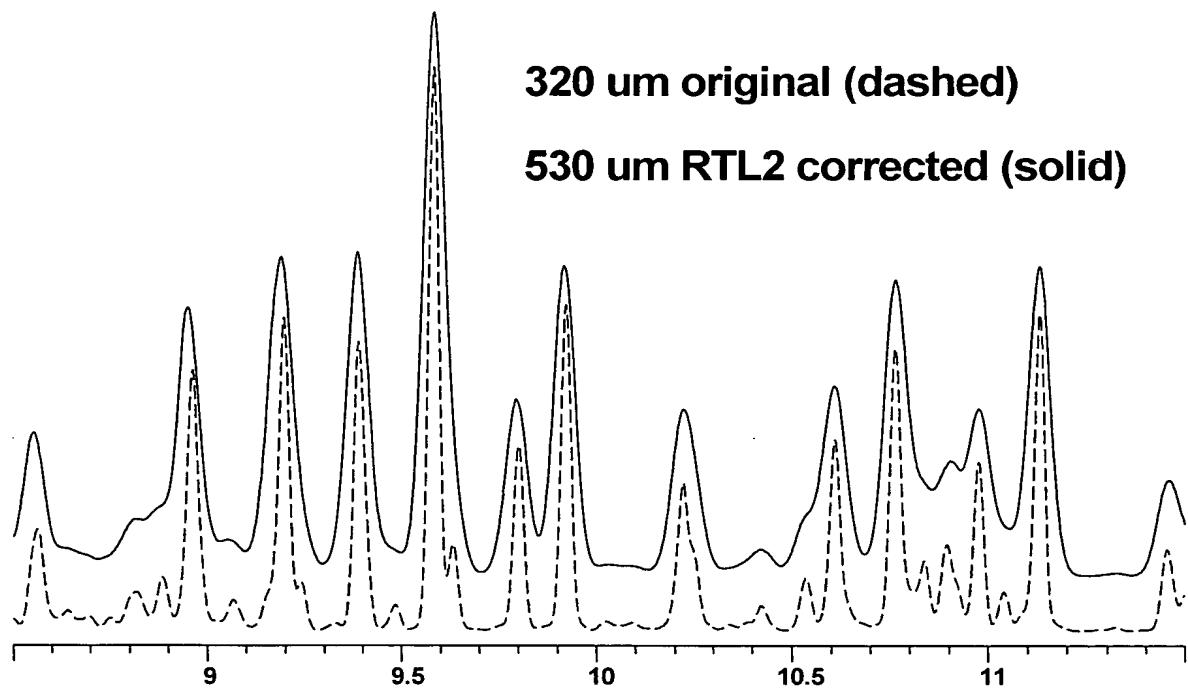
25/35



**FIG. 24**



**FIG. 25**

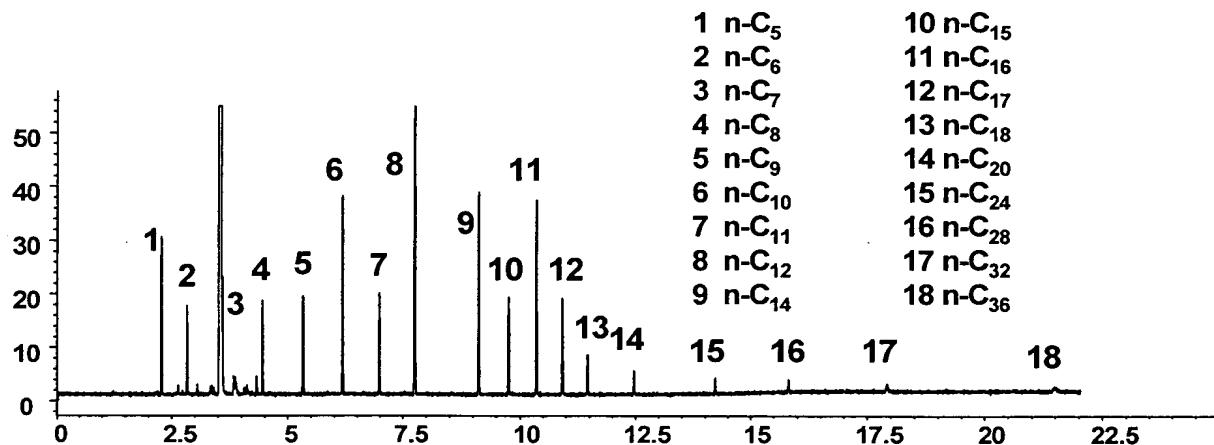


**FIG. 26**

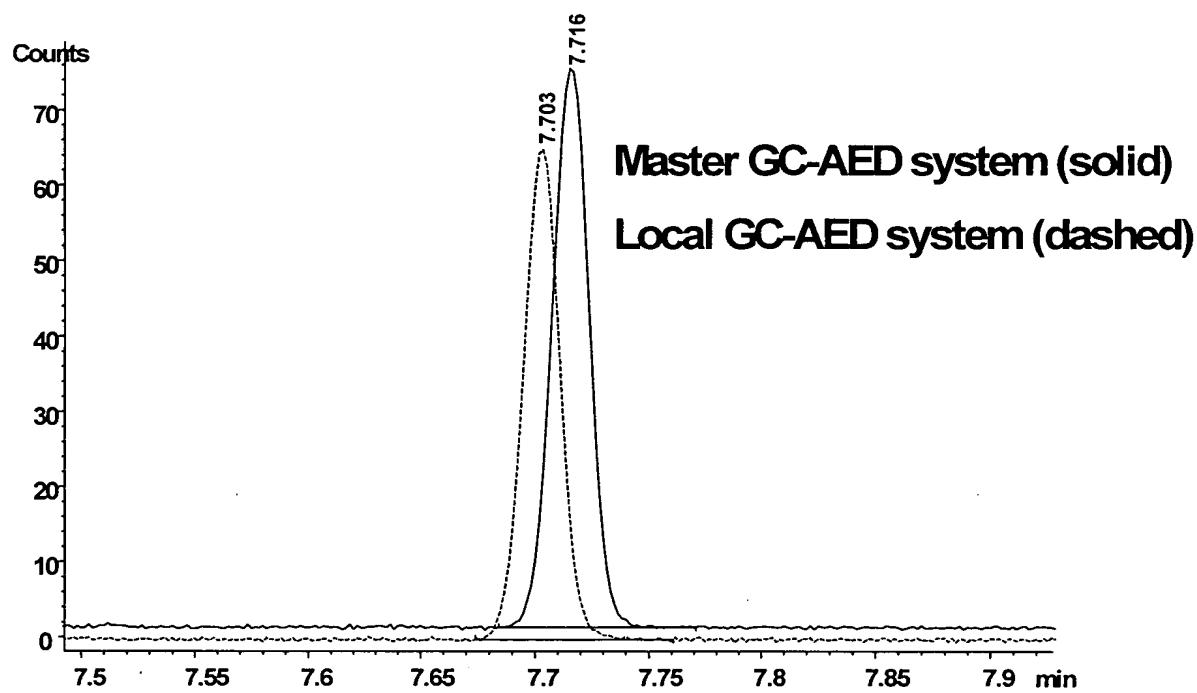
30 m x 320 um x 1.0 um HP-1MS

Oven 40 C (0 min), 20 C/min to 340 C (15 min)

Constant Flow 2 mL/min, 0.5 uL split 100:1

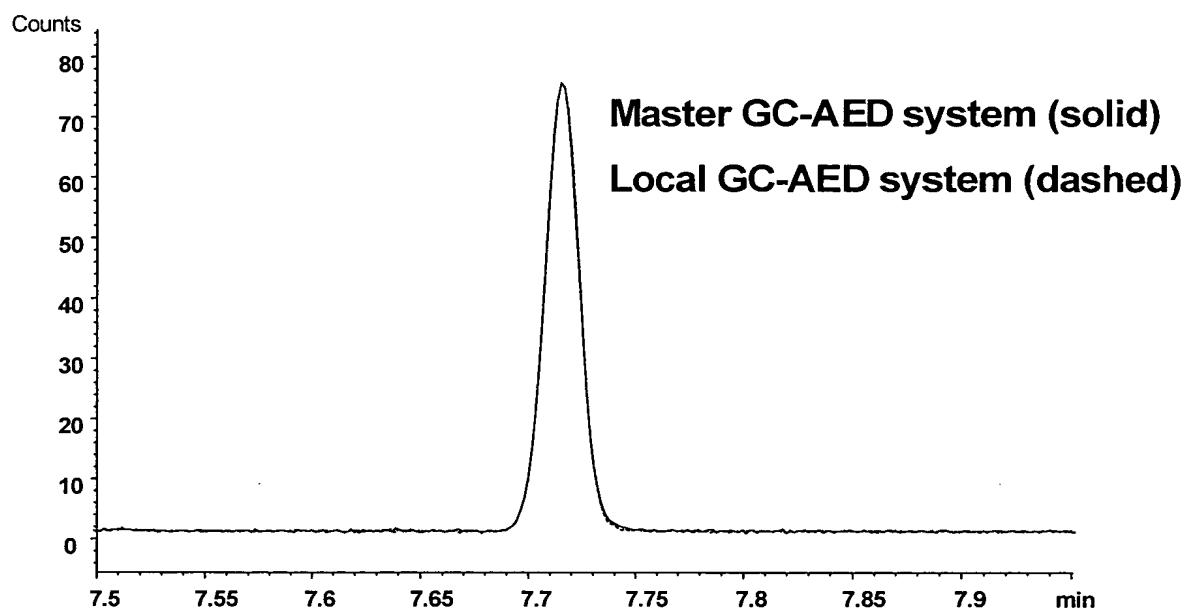


**FIG. 27**

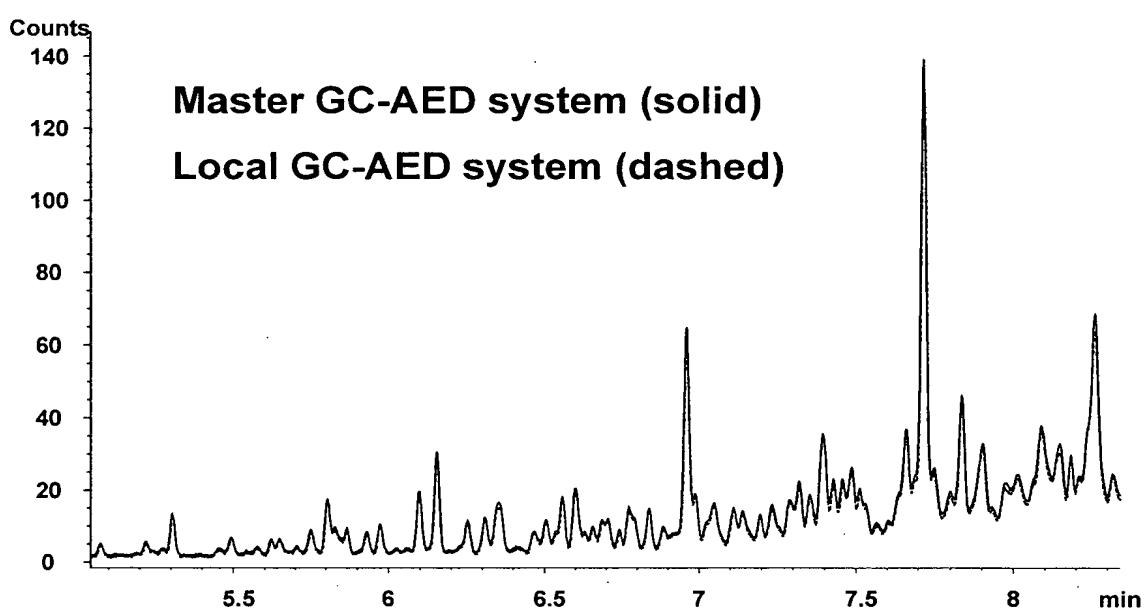


**FIG. 28**

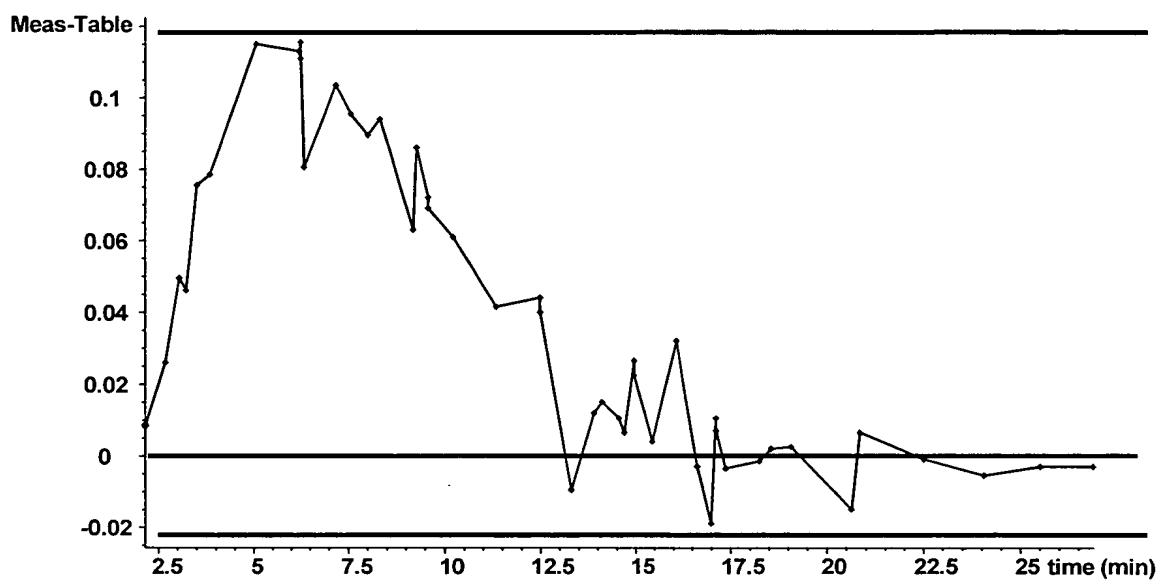
30/35

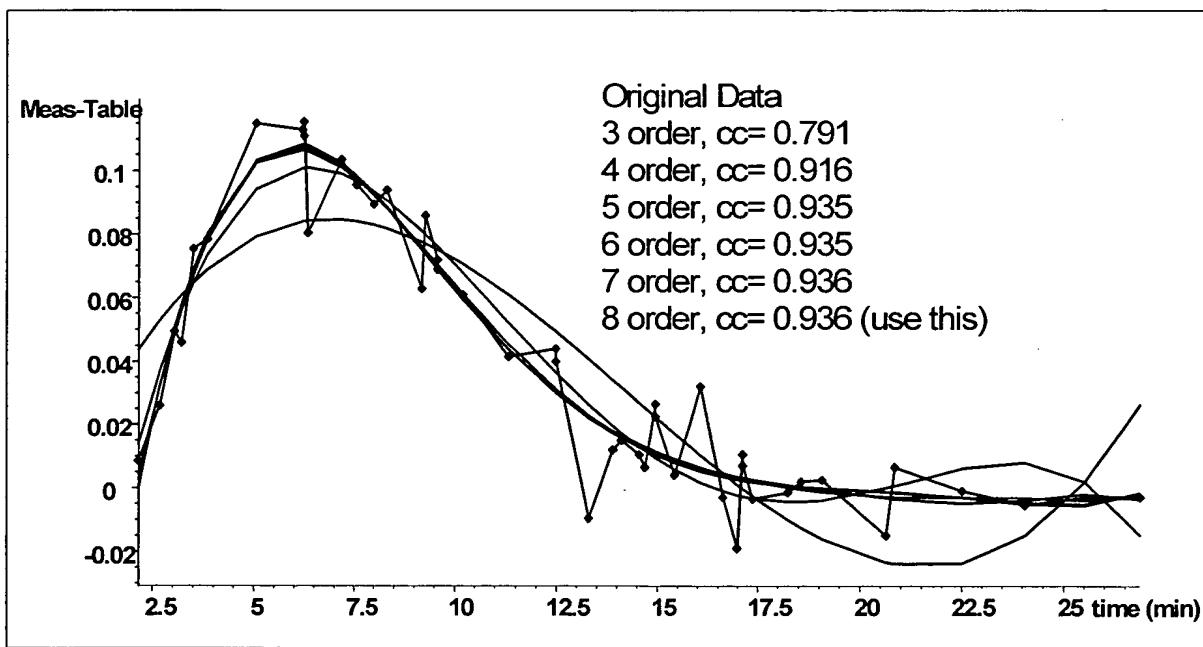


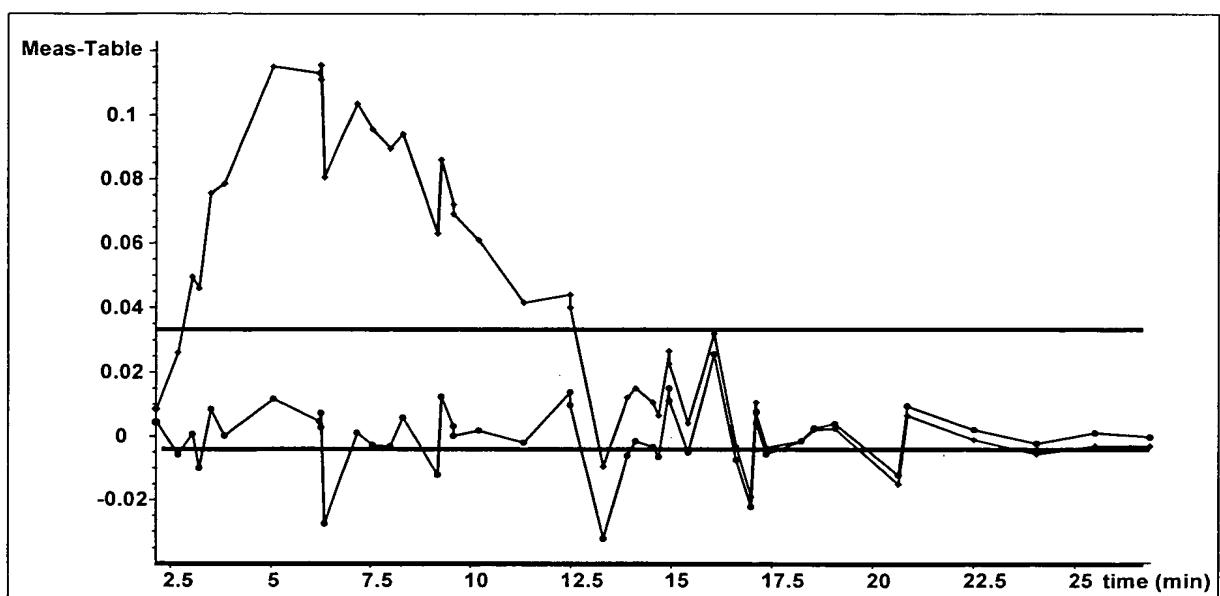
**FIG. 29**



**FIG. 30**

**FIG. 31**

**FIG. 32**

**FIG. 33**

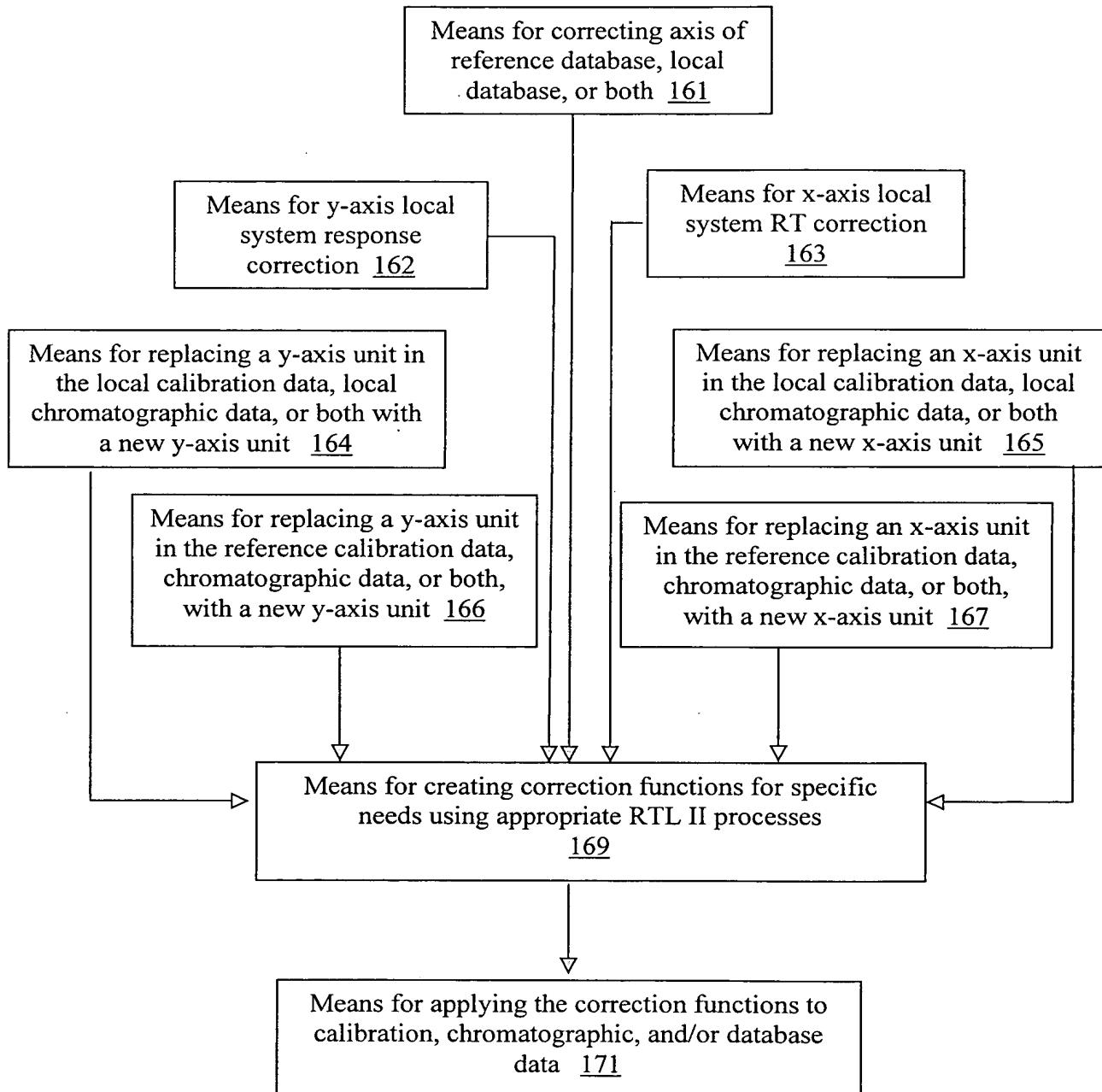


FIG. 34